

T 7476171

58-92

ABS ONLY

98776

18

10

The Large Type IV Radio Burst Event of 24 April 1985 Interpreted
by Dynamic Spectral Recordings and Associated Recordings

H. W. Urbarz, Astronomical Institute of Tuebingen University,
Weissenau Station 7980 Weissenau, GFR.

The Active region 4647 showed a sudden increase in spot area on 23 April 1985 as well as appearance of the D magnetic configuration. During STIP interval XVII numerous subflares occurred in this region but only one very large event which exhibited all signatures of a classical p-event, well separated in time from other large events. The dynamic spectrum was observed by Bleien, Ondrejov and Weissenau, several details are seen. The onset of radiation at m- and dkm-waves is impulsive at dm-waves the preceding dm continuum rises gradually. The absolute fluxes show very high fluxes of some 10^4 SFU at m-waves and some $5 \cdot 10^3$ at cm waves. High energy particles were observed about a day later by imp 8. A Forbush decrease was seen on the neutron monitors but there was no GLE. The X-ray Fluxes monitors by GOES showed a gradual rise to high fluxes and a slow decrease over several hours. This information was extracted from Gdata but also from numerous letters of other observers and interpreters. More detailed data on the event and on the concomittant active region are to be presented.